BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT JAKKUR IN WARD No. 05

MODIFIED SCHEDULE B

Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods Complete as per specifications and the directions of the Engineer-in-charge	Cum	8.51	508.78	Rupees Five Hundred Eight and Seventy Eight Paise Only
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size. with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications and the directions of the Engineer-in-charge	Cum	1.50	2752.39	Rupees Two Thousand Seven Hundred Fifty Two and Thirty Nine Paise Only
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs. with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing Complete as per specifications and the directions of the Engineer-in-charge (Upto 125%)	Cum	1.43	5781.26	Rupees Five Thousand Seven Hundred Eighty One and Twenty Six Paise Only
	Above 125%	Cum	1.13	6204.24	Rupees Six Thousand Two Hundred Four and Twenty Three Paise Only
4	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs. with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing Complete as per specifications and the directions of the Engineer-in-charge (Upto 125%)	Cum	0.71	6143.86	Rupees Six Thousand One Hundred Forty Three and Eighty Six Paise Only
	Above 125%	Cum	1.31	6707.84	Rupees Six Thousand Seven Hundred Seven and Eighty Three Paise Only
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Cum	2.28	5207.89	Rupees Five Thousand Two Hundred Seven and Eighty Nine Paise Only
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour Complete as per specifications and the directions of the Engineer-in-charge (Upto 125%)	Cum	0.88	227.76	Rupees Two Hundred Twenty Seven and Seventy Six Paise Only
7	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., Complete as per specifications and the directions of the Engineer-in-charge Upto 125%	Cum	7.63	70.39	Rupees Seventy and Thirty Nine Paise Only
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	7.05	292.35	Rupees Two Hundred Ninety Two and Thirty Five Paise Only

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Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge (Upto 125%)	Sqm	5.69	405.66	Rupees Four Hundred Five and Sixty Six Paise Only
10	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	30.56	516.71	Rupees Five Hundred Sixteen and Seventy One Paise Only
11	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs. and the directions of the Engineer-in-charge First Floor (Upto 125%)	Sqm	90.48	453.25	Rupees Four Hundred Fifty Three and Twenty Five Paise Only
12	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour Complete as per specifications and the directions of the Engineer-in-charge First Floor (Upto 125%)	Sqm	6.02	855.52	Rupees Eight Hundred Fifty Five and Fifty Two Paise Only
13	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge(Upto 125%)	Sqm	80.87	330.80	Rupees Three Hundred Thirty and Eighty Paise Only
14	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	25.71	589.23	Rupees Five Hundred Eighty Nine and Twenty Three Paise Only
15	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge First Floor (Upto 125%)	Sqm	16.32	366.00	Rupees Three Hundred Sixty Six Only
16	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates (@0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications and the directions of the Engineer-in-charge	Cum	2.05	6585.79	Rupees Six Thousand Five Hundred Eighty Five and Seventy Nine Paise Only
17	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, Complete as per specifications and the directions of the Engineer-in-charge	Cum	1.93	6849.81	Rupees Six Thousand Eight Hundred Forty Nine and Eighty One Paise Only

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Item No.	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				in Figures	in Words
19	6.SRB 6.2.8 Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs. with 20mm and down size graded granite metal/ coarse aggregates (@ 780cum. and fine aggregates @ 0.470cum. with superplasticizer @0.272lts. confirming to IS 9103:1999 &machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated by all suitable to ground Floor level for roof slabs, staircase, lintels, beams, retaining walls, return wall, walls (in block work) including attached pilasters, columns, pillars,posts,arises,battress,string or facing courses,parapet,coping and kerbs,anchor blocks, glass window cills,fillets including cost of all materials, labour,HOM of machinery, curing, Complete as per specifications and the directions of the Engineer-in-charge First Floor	Cum	6.64	6917.40	Rupees Six Thousand Nine Hundred Seventeen and Eighty Paise Only
20	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) as per specifications and the directions of the Engineer-in-charge (Upto 125%)	Cum	19.03	6228.85	Rupees Six Thousand Two Hundred Twenty Eight and Eighty Five Paise Only
21	6.SRB 6.2.11 Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs. with 12mm and down size graded granite metal/ coarse aggregates @0.580Cum and fine aggregates @ 0.391cum. with superplasticizer @0.225lts. machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	7.92	567.70	Rupees Five Hundred Sixty Seven and Seventy Paise Only
22	6.SRB 6.6.2 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design. Gaps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge	tonne	0.60	72985.29	Rupees Seventy Two Thousand Nine Hundred Eighty Five and Twenty Nine Paise Only
23	6.SRB 6.6.2 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design. Gaps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge First Floor	tonne	2.94	73832.88	Rupees Seventy Three Thousand Eight Hundred Thirty Two and Eighty Eight Paise Only
23	6.SRB 5-14.1 Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:6,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc. Complete as per specifications and the directions of the Engineer-in-charge (Upto 125%)	Sqm	152.10	1073.08	Rupees One Thousand Seventy Three and Eight Paise Only
	Above 125%	Sqm	40.48	1067.41	Rupees One Thousand Sixty Seven and Forty One Paise Only
24	6.SRB 5-15 Providing and constructing non-load bearing wall with solid concrete blocks of size 400X190X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., Complete as per specifications and the directions of the Engineer-in-charge First Floor. (Upto 125%)	Sqm	12.60	958.63	Rupees Nine Hundred Fifty Eight and Sixty Three Paise Only

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Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
	Above 125%	Sqm	6.71	952.97	Rupees Nine Hundred Fifty Two and Ninety Six Paise Only
25	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., Complete as per specifications and the directions of the Engineer-in-charge Second Floor.	Sqm	22.40	998.29	Rupees Nine Hundred Ninety Eight and Twenty Nine Paise Only
26	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge First Floor. (Upto 125%)	Sqm	191.80	309.35	Rupees Three Hundred Nine and Thirty Five Paise Only
27	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	44.80	322.94	Rupees Three Hundred Twenty Two and Ninety Four Paise Only
28	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge First Floor. (Upto 125%)	Sqm	206.79	237.96	Rupees Two Hundred Thirty Seven and Ninety Six Paise Only
	Above 125%	Sqm	22.92	236.83	Rupees Two Hundred Thirty Six and Eighty Two Paise Only
29	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering. : including Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge First Floor. (Upto 125%)	Sqm	90.29	261.75	Rupees Two Hundred Sixty One and Seventy Five Paise Only
30	providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,Complete as per specifications and the directions of the Engineer-in-charge First Floor. (Upto 125%)	Sqm	306.79	88.38	Rupees Eighty Eight and Thirty Eight Paise Only
	Above 125%	Sqm	13.21	88.38	Rupees Eighty Eight and Thirty Eight Paise Only
31	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge First Floor. (Upto 125%)	Sqm	206.79	101.98	Rupees One Hundred One and Ninety Eight Paise Only
	Above 125%	Sqm	22.92	101.98	Rupees One Hundred One and Ninety Eight Paise Only

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Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
32	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof Complete as per specifications and the directions of the Engineer-in-charge First Floor (Upto 125%)	Sqm	90.29	133.71	Rupees One Hundred Thirty Three and Seventy One Paise Only
33	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains. Complete as per specifications and the directions of the Engineer-in-charge First Floor (Upto 125%)	#REF!	199.72	394.33	Rupees Three Hundred Ninety Four and Thirty Three Paise Only
34	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains. Complete as per specifications and the directions of the Engineer-in-charge Second Floor.	0	52.72	403.40	Rupees Four Hundred Three and Forty Paise Only
35	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,Complete as per specifications and the directions of the Engineer-in-charge	Sqm	19.37	5049.25	Rupees Five Thousand Forty Nine and Twenty Five Paise Only
36	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	46.08	5051.52	Rupees Five Thousand Fifty One and Fifty Two Paise Only
37	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, Complete as per specifications and the directions of the Engineer-in-charge First Floor.	Sqm	151.82	717.28	Rupees Seven Hundred Seventeen and Twenty Eight Paise Only
38	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.Complete as per specifications and the directions of the Engineer-in-charge First Floor.	Sqm	153.00	2244.74	Rupees Two Thousand Two Hundred Forty Four and Seventy Four Paise Only

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Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
39	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge (Upto 125%)	Cum	90.29	1126.34	Rupees One Thousand One Hundred Twenty Six and Thirty Four Paise Only
40	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour,Complete as per specifications and the directions of the Engineer-in-charge First Floor (Upto 125%)	Nos	4.00	1547.86	Rupees One Thousand Five Hundred Forty Seven and Eighty Six Paise Only
41	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries Complete as per specifications and the directions of the Engineer-in-charge First Floor (Upto 125%)	Cum	0.46	99267.25	Rupees Ninety Nine Thousand Two Hundred Sixty Seven and Twenty Five Paise Only
42	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per specifications and the directions of the Engineer-in-charge. (excluding cost of fixtures) First Floor (Upto 125%)	Sqm	9.45	5355.20	Rupees Five Thousand Three Hundred Fifty Five and Twenty Paise Only
	Above 125%	Sqm	1.02	5354.07	Rupees Five Thousand Three Hundred Fifty Four and Six Paise Only
43	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	9.90	109.90	Rupees One Hundred Nine and Ninety Paise Only
	Above 125%	Sqm	1.28	109.91	Rupees One Hundred Nine and Ninety One Paise Only

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Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
44	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm. thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality.Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	16.74	5032.26	Rupees Five Thousand Thirty Two and Twenty Six Paise Only
45	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge First Floor	kg	351.54	8.48	Rupees Eight and Forty Eight Paise Only
46	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge	sqm	33.48	107.65	Rupees One Hundred Seven and Sixty Five Paise Only
47	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 Complete as per specifications and the directions of the Engineer-in-charge. (Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density)	cum	3.40	368.27	Rupees Three Hundred Sixty Eight and Twenty Seven Paise Only
48	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., Complete as per specifications and the directions of the Engineer-in-charge	Sqm	7.15	6822.61	Rupees Six Thousand Eight Hundred Twenty Two and Sixty One Paise Only
49	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	12.09	6829.41	Rupees Six Thousand Eight Hundred Twenty Nine and Forty One Paise Only

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Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
50	Pg No 43,Item No 7.29 Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification (Upto 125%)	kg	4730.34	125.78	Rupees One Hundred Twenty Five and Seventy Eight Paise Only
	Above 125%	kg	1425.71	125.78	Rupees One Hundred Twenty Five and Seventy Seven Paise Only
51	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.Complete as per specifications and the directions of the Engineer-in-charge (Upto 125%)	Sqm	135.24	779.60	Rupees Seven Hundred Seventy Nine and Sixty Paise Only
	Above 125%	Sqm	#REF!	#REF!	Rupees Seven Hundred Seventy Nine and Fifty Nine Paise Only
52	Pg No 123,Item No 15.73 KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge Upto 125%	Sqm	135.24	46.46	Rupees Forty Six and Forty Six Paise Only
	Above 125 %	Sqm	#REF!	#REF!	Rupees Forty Six and Forty Five Paise Only
53	Providing and installing of approved make pre painted Galvalume iron Accessories, like, plain, ridges, plain gutter, plain flashing, corner Trim, etc. The total coated thickness (TCT) of the sheet shall be 0.47 mm +/- 0.02 tolerance mm Zinc-Alu Alloy coating AZ 150 gsm as per ASTM 1397/755 - 550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling / self tapping screws of 25 mm length. (width upto 500-600 mm only), to be fixed over the existing purlins, rafters, channels and trusses.Complete as per specifications and the directions of the Engineer-in-charge	Sqm	41.46	747.87	Rupees Seven Hundred Forty Seven and Eighty Seven Paise Only
54	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated .2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet. **Short point upto 3m** complete as per specifications and directions of the Engineer incharge	Point	7.00	209.84	Rupees Two Hundred Nine and Eighty Four Paise Only

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Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
55	Point wiring using copper wire without switch (Class A material) Supplying and wiring adopting loop system in existing PVC conduit/casing capping having 2X1.5Sqmm(phase & Neutral) & 1X1.0 Sqmm (Earth Wire) FRLS Stranded PVC insulated 2x1.5sqmm copper conforming to the GTP with a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box. the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. **Stadium point above 3m - 6m** complete as per specifications and directions of the Engineer incharge	Point	8.00	288.53	Rupees Two Hundred Eighty Eight and Fifty Three Paise Only
56	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fisg wire wherever necessary **19/20mm dia, 2mm thick** complete as per specifications and directions of the Engineer incharge	Mtr	30.00	41.97	Rupees Forty One and Ninety Seven Paise Only
57	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fisg wire wherever necessary **25mm dia, 2mm thick**complete as per specifications and directions of the Engineer incharge	Mtr	30.00	55.61	Rupees Fifty Five and Sixty One Paise Only
58	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. **25 mm dia, 2mm thick** complete as per specifications and directions of the Engineer incharge	Mtr	50.00	68.20	Rupees Sixty Eight and Twenty Paise Only
59	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. **19/20mm dia, 2mm thick** complete as per specifications and directions of the Engineer incharge	Mtr	60.00	53.51	Rupees Fifty Three and Fifty One Paise Only
60	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. **25mm dia, 2mm thick** complete as per specifications and directions of the Engineer incharge	Mtr	80.00	56.66	Rupees Fifty Six and Sixty Six Paise Only
61	Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall complete as per specifications and directions of the Engineer incharge	Each	6.00	99.67	Rupees Ninety Nine and Sixty Seven Paise Only
62	Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall complete as per specifications and directions of the Engineer incharge	Each	4.00	110.17	Rupees One Hundred Ten and Seventeen Paise Only
63	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 . **6AMP 3/5 and Switch** complete as per specifications and directions of the Engineer incharge	Each	1.00	138.49	Rupees One Hundred Thirty Eight and Forty Nine Paise Only

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Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
64	Supplying and mounting 2 Nos. of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring complete as per specifications and directions of the Engineer incharge	Each	4.00	157.38	Rupees One Hundred Fifty Seven and Thirty Eight Paise Only
65	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitchescomplete as per specifications and directions of the Engineer incharge	No	1.00	203.54	Rupees Two Hundred Three and Fifty Four Paise Only
66	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches complete as per specifications and directions of the Engineer incharge	No	6.00	157.38	Rupees One Hundred Fifty Seven and Thirty Eight Paise Only
67	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. **2.5sqmm** complete as per specifications and directions of the Engineer incharge	Mtr	150.00	33.57	Rupees Thirty Three and Fifty Seven Paise Only
68	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. **4sqmm** complete as per specifications and directions of the Engineer incharge	Mtr	120.00	47.21	Rupees Forty Seven and Twenty One Paise Only
69	Supplying and fixing Metal Fan Box with Round Hook complete as per specifications and directions of the Engineer incharge	Nos	6.00	89.18	Rupees Eighty Nine and Eighteen Paise
70	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute **12 way SP & N** complete as per specifications and directions of the Engineer incharge	Nos	6.00	1269.53	Rupees One Thousand Two Hundred Sixty Nine and Fifty Three Paise Only
71	Supplying and fixing Trivector meter suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5accuracy as per IS 14697 and completely wired complete as per specifications and directions of the Engineer incharge	Each	1.00	3963.88	Rupees Three Thousand Nine Hundred Sixty Three and Eighty Eight
72	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fighting 1 x4'- 20/22 w complete as per specifications and directions of the Engineer incharge	Each	25.00	393.45	Rupees Three Hundred Ninety Three and Forty Five Paise Only
73	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system **48" sweep (1200mm)** complete as per specifications and directions of the Engineer incharge	Each	6.00	2192.83	Rupees Two Thousand One Hundred Ninety Two and Eighty Three Paise Only
E1	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Complete as per specifications and the directions of the Engineer-in-charge	0.00	0.11	509.91	Rupees Five Hundred Nine and Ninety One Paise Only

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Sl. No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
12	KSOR/13.8 : Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners, wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Sqm	3.54	295.75	Rupees Two Hundred Ninety Five and Seventy Five Paise Only
13	KSOR/13.15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge	Sqm	3.54	101.98	Rupees One Hundred One and Ninety Eight Paise Only
14	Providing and Fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., Complete as per specifications and the directions of the Engineer-in-charge	Sqm	147.84	1172.80	Rupees One Thousand One Hundred Seventy Two and Seventy Nine Paise Only

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